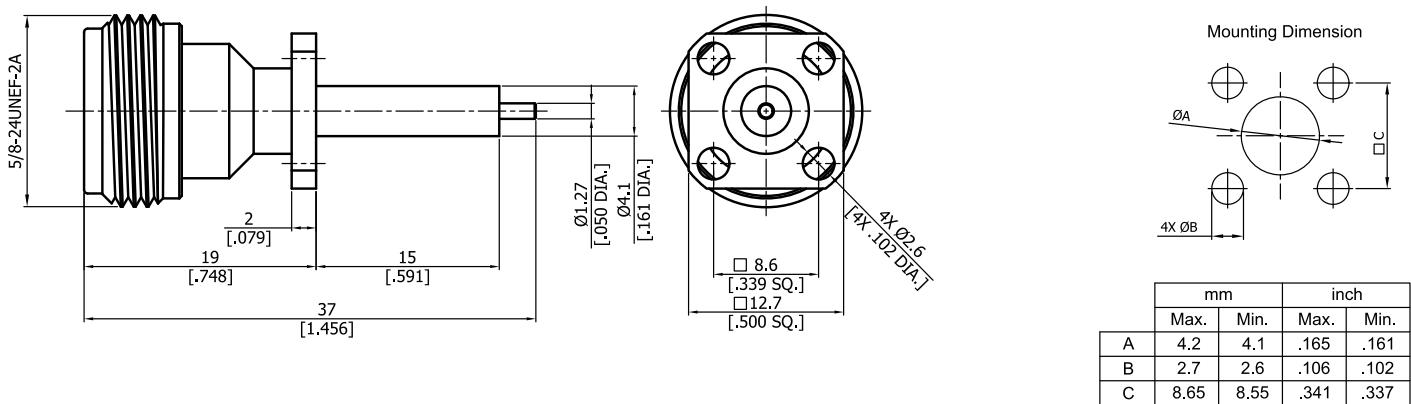


Precision N Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
 Stub Terminal, 8.6 (.339 inch) Hole Spacing DC-18GHz VSWR1.25

PCN2GFA50-3700A / 9X


All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-16; MIL-STD-348/304; CECC 22 210

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 1 mΩ
Outer Contact Resistance	≤ 0.25 mΩ
Working Voltage	500 V rms
Average Power	400W @ 3GHz
Peak Power	800W @ 3GHz

-VSWR in application depends decisive on PCB layout or cavity design-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

Precision N Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
Stub Terminal, 8.6 (.339 inch) Hole Spacing DC-18GHz VSWR1.25

PCN2GFA50-3700A / 9X

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical
Coupling Test Torque	1.7 Nm max.
Recommended Torque	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100